LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	30	33	36	rVB	2598209	2626391	100.00%	17.452%
2	1.390	41	44	47	rVB	63030	90253	3.44%	0.600%
3	1.550	56	58	65	rVB	51642	71272	2.71%	0.474%
4	1.653	65	67	75	rVV	45949	84085	3.20%	0.559%
5	1.767	75	77	96	rVB	482580	822520	31.32%	5.466%
6	4.864	346	348	353	rVB	79022	93868	3.57%	0.624%
7	5.401	393	395	398	rBV	690453	759636	28.92%	5.048%
8	6.693	506	508	511	rBV	725376	795416	30.29%	5.285%
9	6.830	517	520	523	rBV	937200	860556	32.77%	5.718%
10	7.116	543	545	548	rVB	289555	256385	9.76%	1.704%
11	7.299	559	561	564	rBV	608623	633347	24.11%	4.208%
12	7.813	604	606	608	rBV	574718	512091	19.50%	3.403%
13	8.693	681	683	686	rBV	405619	367430	13.99%	2.442%
14	9.402	743	745	748	rVB3	21176	28086	1.07%	0.187%
15	10.042	798	801	803	rBV	1225229	1038067	39.52%	6.898%
16	10.122	803	808	810	rVB	44597	40293	1.53%	0.268%
17	10.442	835	836	839	rVV2	27224	35982	1.37%	0.239%
18	10.499	839	841	843	rVV	71068	74948	2.85%	0.498%
19	10.545	843	845	852	rVV	49232	119309	4.54%	0.793%
20	10.693	855	858	860	rVV	65583	97772	3.72%	0.650%
21	10.751	860	863	865	rVV2	55577	86637	3.30%	0.576%
22	10.865	869	873	875	rVV	460149	486060	18.51%	3.230%
23	10.922	875	878	880	rVB	18981	27973	1.07%	0.186%
24	11.425	920	922	927	rVB2	15211	31319	1.19%	0.208%
25	11.768	949	952	954	rBV	117920	105333	4.01%	0.700%
26	11.848	956	959	961	rBV	469902	626025	23.84%	4.160%
27	12.705	1031	1034	1035	rBV	345539	447077	17.02%	2.971%
28	12.728	1035	1036	1038	rVB	39933	32738	1.25%	0.218%
29	12.796	1038	1042	1044	rBV2	22767	26359	1.00%	0.175%
30	14.202	1163	1165	1167	rBV	90697	90399	3.44%	0.601%
31	14.477	1186	1189	1191	rBV	95601	104671	3.99%	0.696%
32	14.694	1205	1208	1211	rBV	1140384	1114644	42.44%	7.407%
33	14.900	1224	1226	1229	rVB	27796	29942	1.14%	0.199%
34	15.025	1235	1237	1240	rBV2	19400	27321	1.04%	0.182%

LSC Area Percent Report

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Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.140	1242	1247	1249	rBV2	18353	30202	1.15%	0.201%
36	15.528	1277	1281	1285	rVV3	12335	28821	1.10%	0.192%
37	15.894	1310	1313	1317	rBV2	30370	72813	2.77%	0.484%
38	15.997	1318	1322	1324	rBV	451185	702219	26.74%	4.666%
39	16.168	1334	1337	1342	rBV6	17964	45688	1.74%	0.304%
40	16.500	1364	1366	1368	rBV	20204	28207	1.07%	0.187%
41	16.545	1368	1370	1374	rBV5	13117	28471	1.08%	0.189%
42	16.671	1379	1381	1384	rBV2	38771	72237	2.75%	0.480%
43	17.323	1436	1438	1444	rBV	113327	296605	11.29%	1.971%
44	17.654	1465	1467	1471	rBV	68093	106357	4.05%	0.707%
45	17.723	1471	1473	1476	rBV	93356	117436	4.47%	0.780%
46	17.791	1476	1479	1483	rVV	418071	559760	21.31%	3.720%
47	19.174	1597	1600	1605	rVB2	53493	117079	4.46%	0.778%
48	19.357	1613	1616	1619	rBV3	103315	199153	7.58%	1.323%

Sum of corrected areas: 15049253

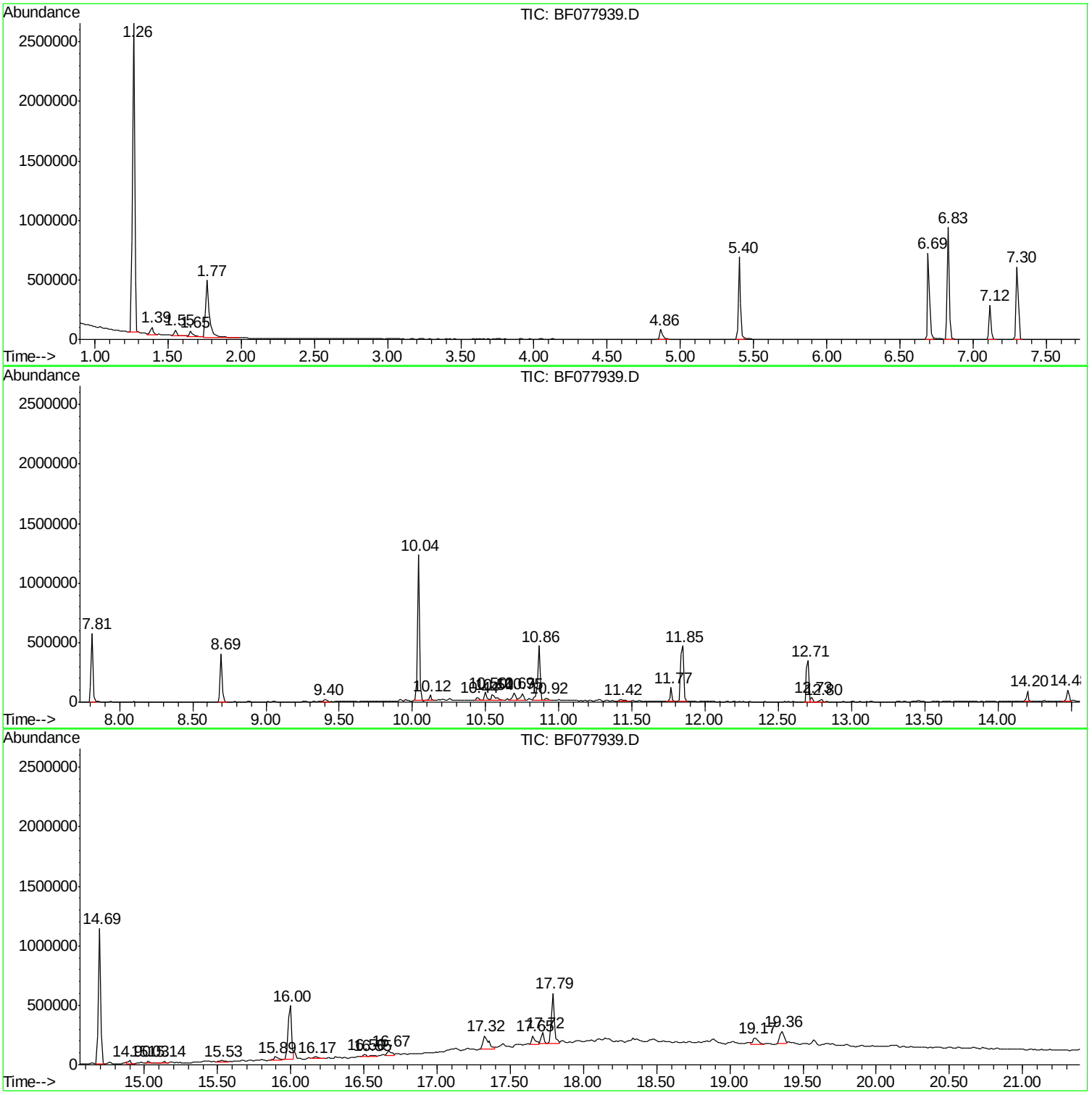
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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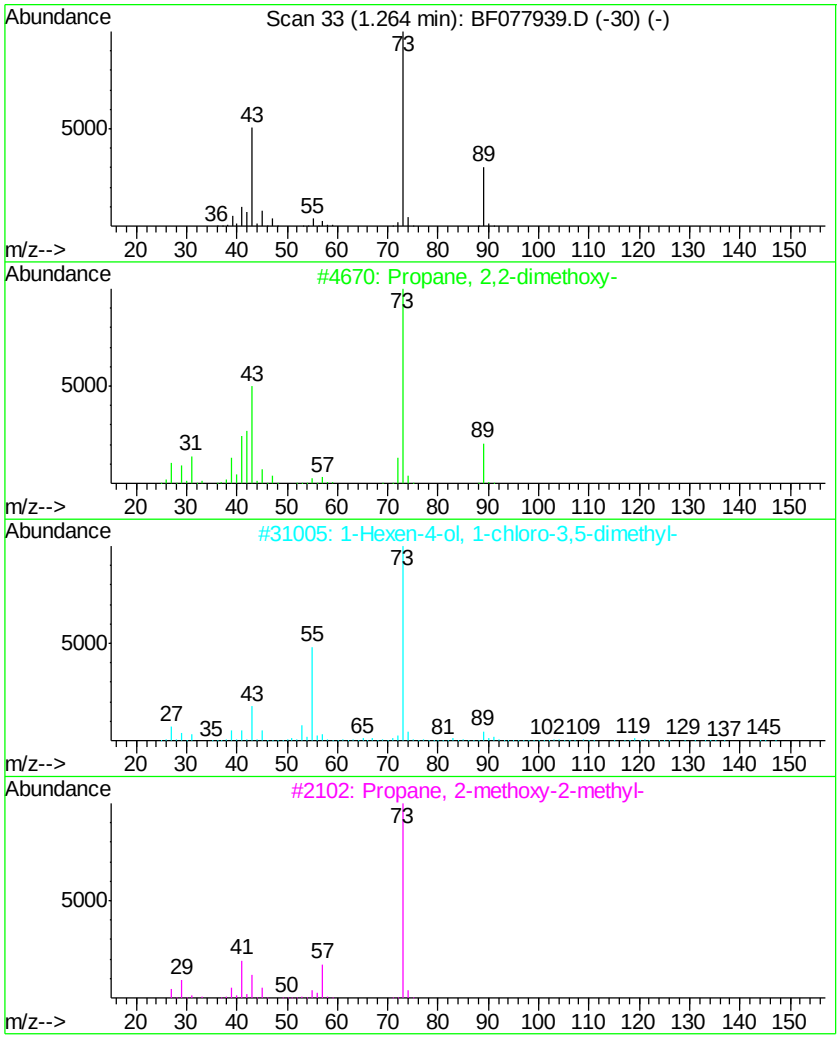
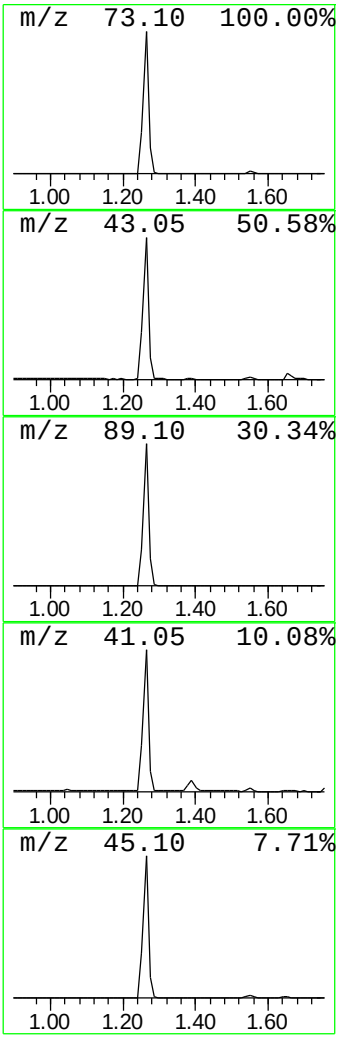
Peak Number 1 unknown1.26 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.26	204.88 ng	2626390	1,4-Dichlorobenzene-d4	7.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	7





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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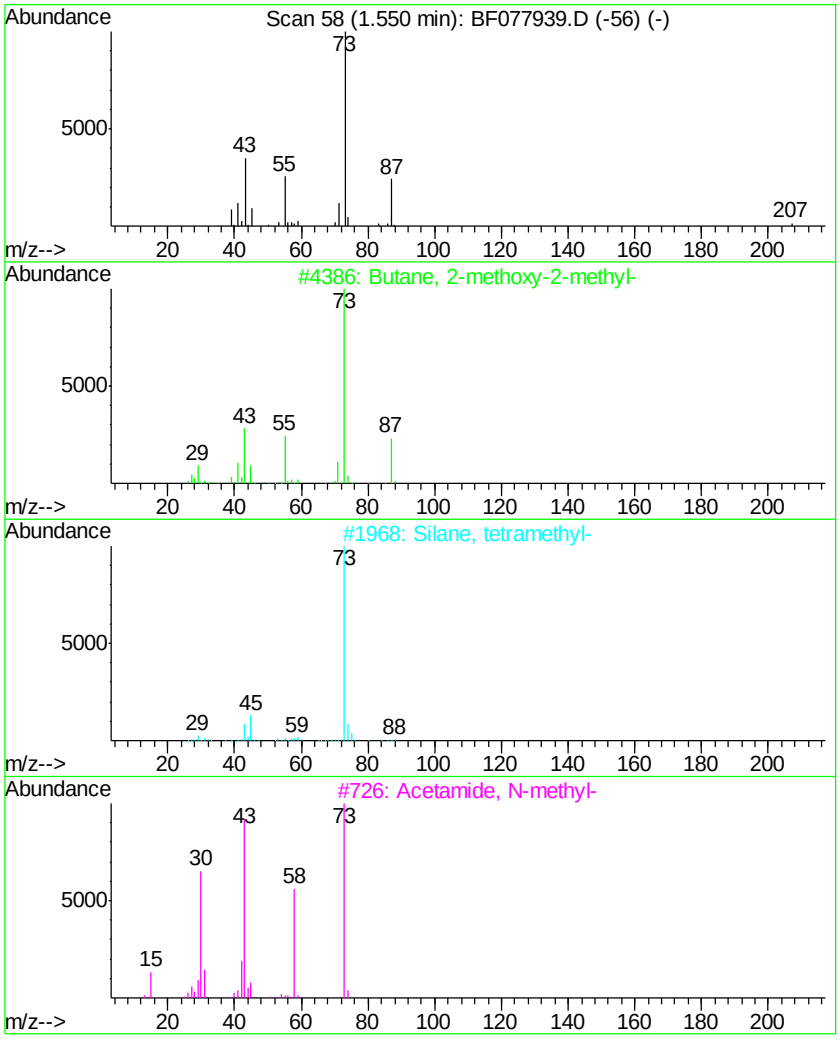
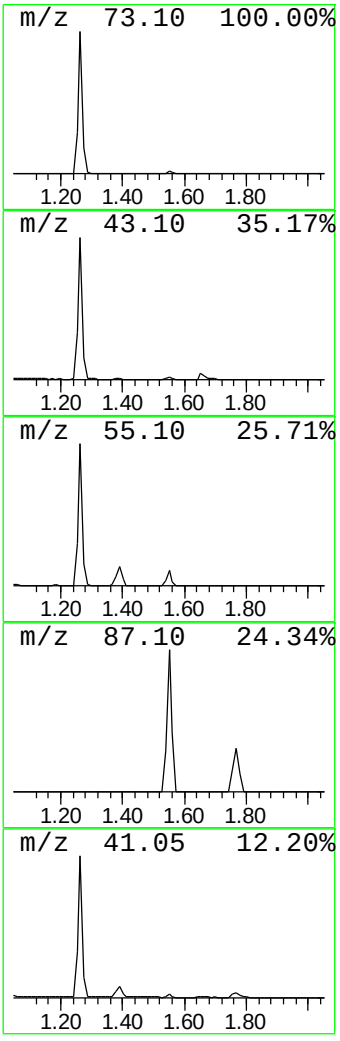
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.55	5.56 ng	71272	1,4-Dichlorobenzene-d4	7.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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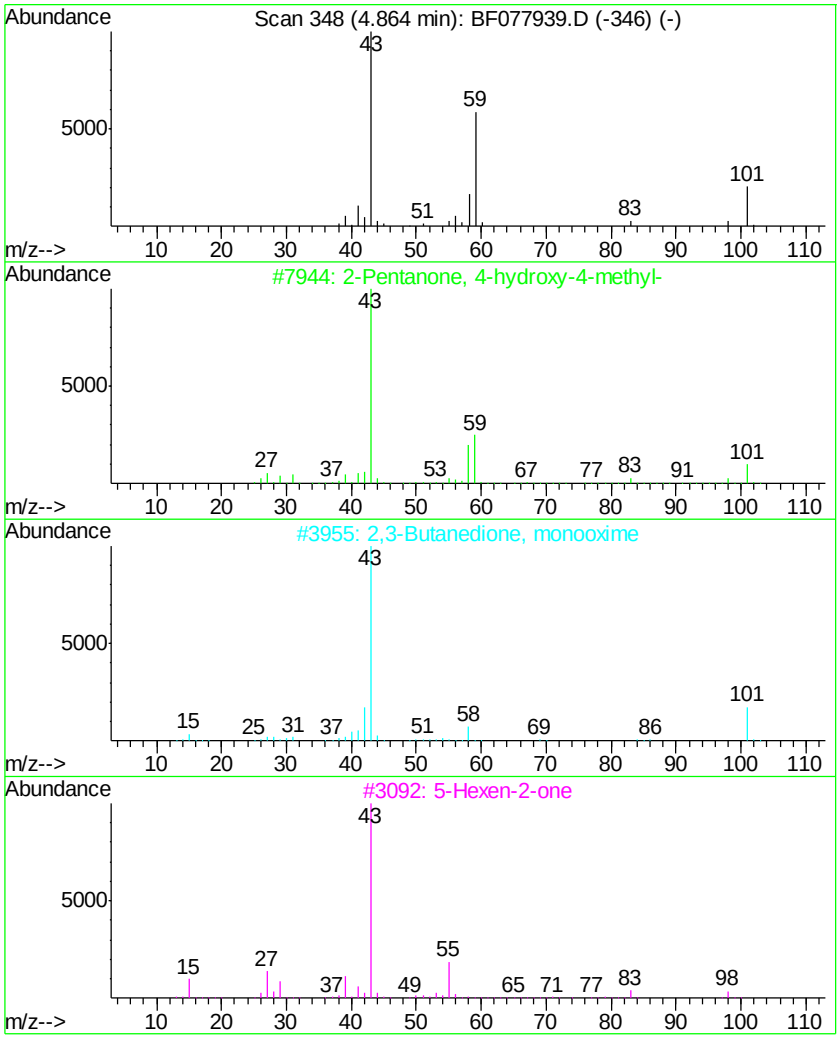
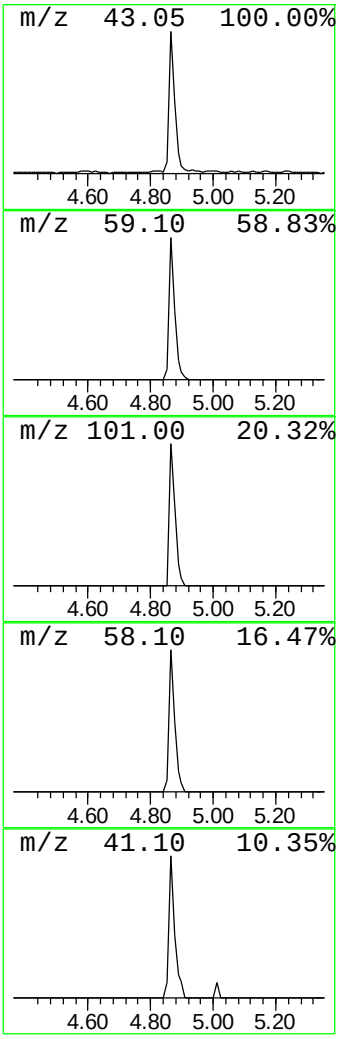
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	7.32 ng	93868	1,4-Dichlorobenzene-d4	7.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12
3	5-Hexen-2-one	98	C6H10O	000109-49-9	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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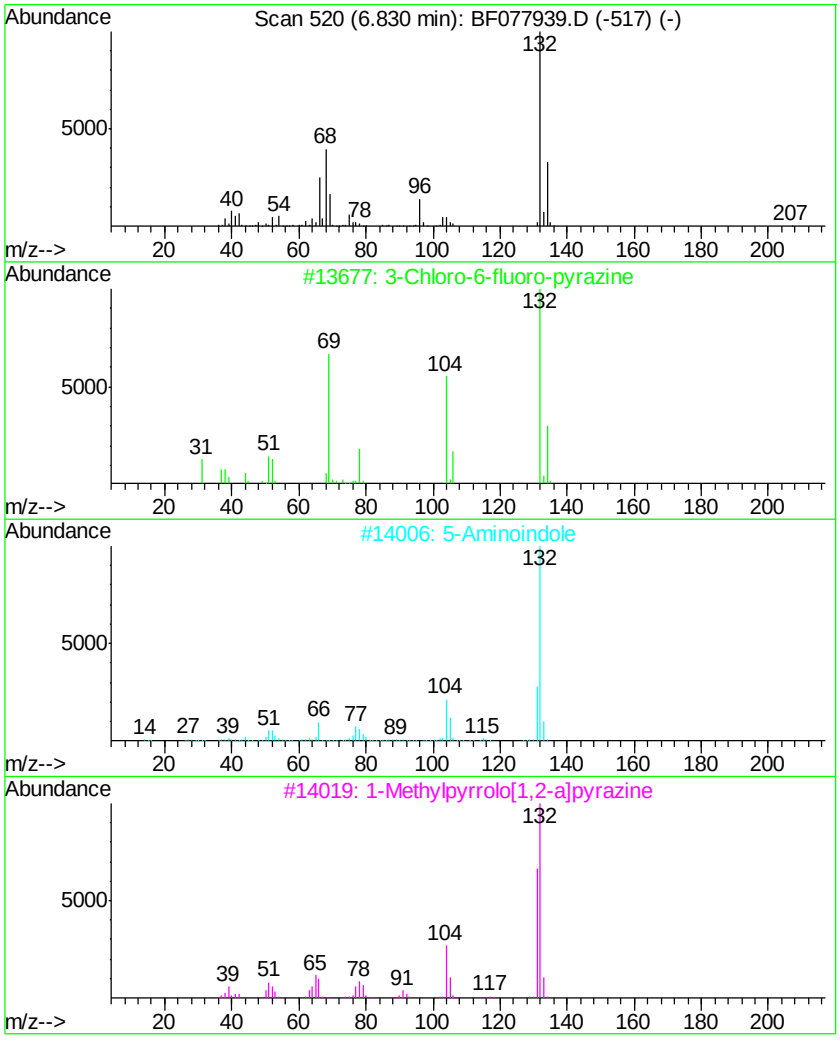
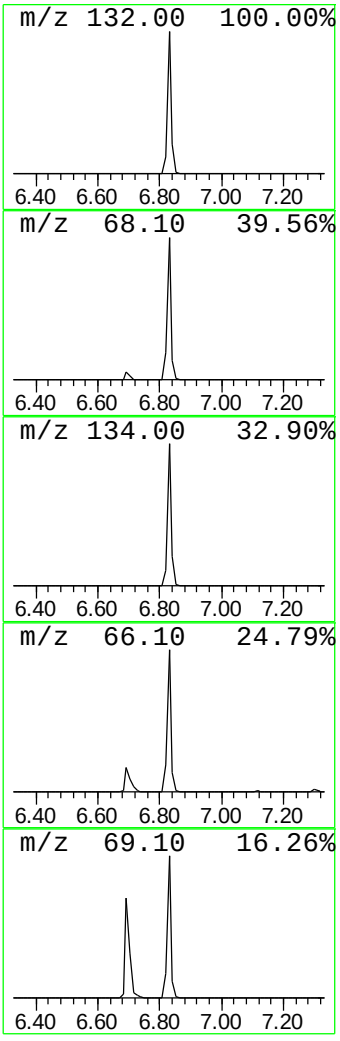
Peak Number 7 unknown6.83 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	67.13 ng	860556	1,4-Dichlorobenzene-d4	7.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

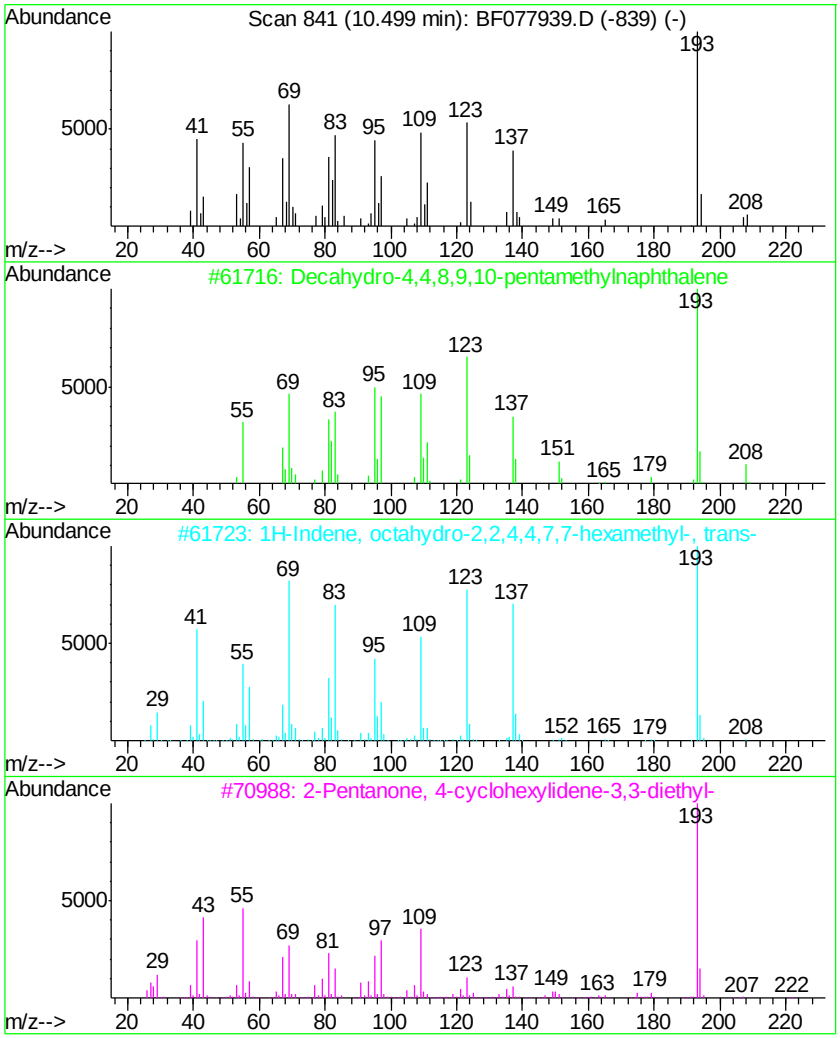
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

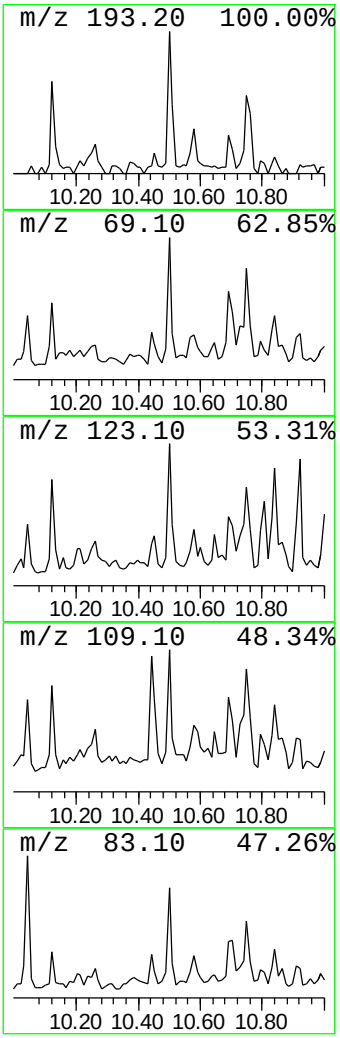
****

Peak Number 9 unknown10.50 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	3.08 ng	74948	Acenaphthene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	49
2	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	45
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	32
4	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	30
5	Pyrimido(5,4-e)-as-triazine-5,7(...	193	C7H7N5O2	000084-82-2	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
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Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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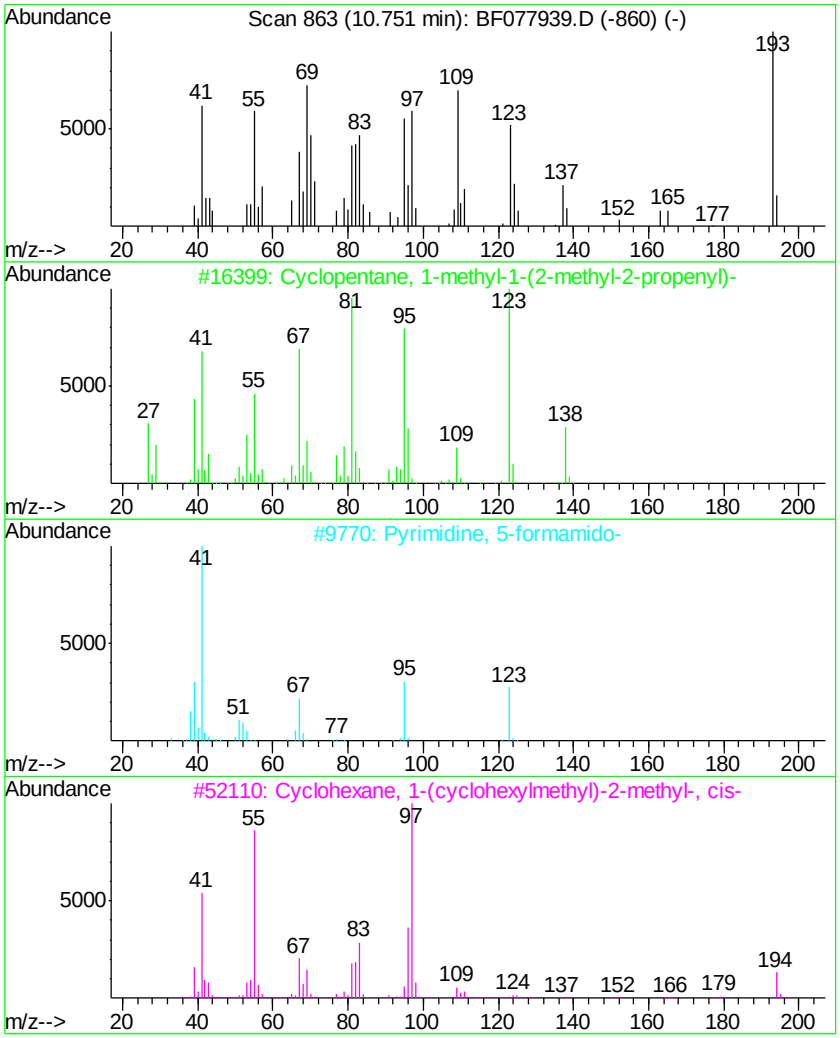
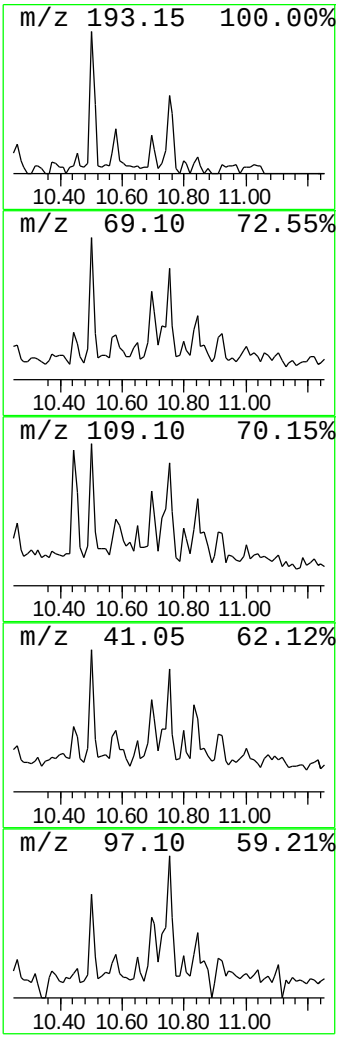
Peak Number 11 unknown10.75 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	3.56 ng	86637	Acenaphthene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	11
2	Pyrimidine, 5-formamido-	123	C5H5N3O	056621-84-2	11
3	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054824-04-3	11
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	11
5	2,6-Dimethylfluorobenzene	124	C8H9F	000443-88-9	10





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Operator : TP/IZ
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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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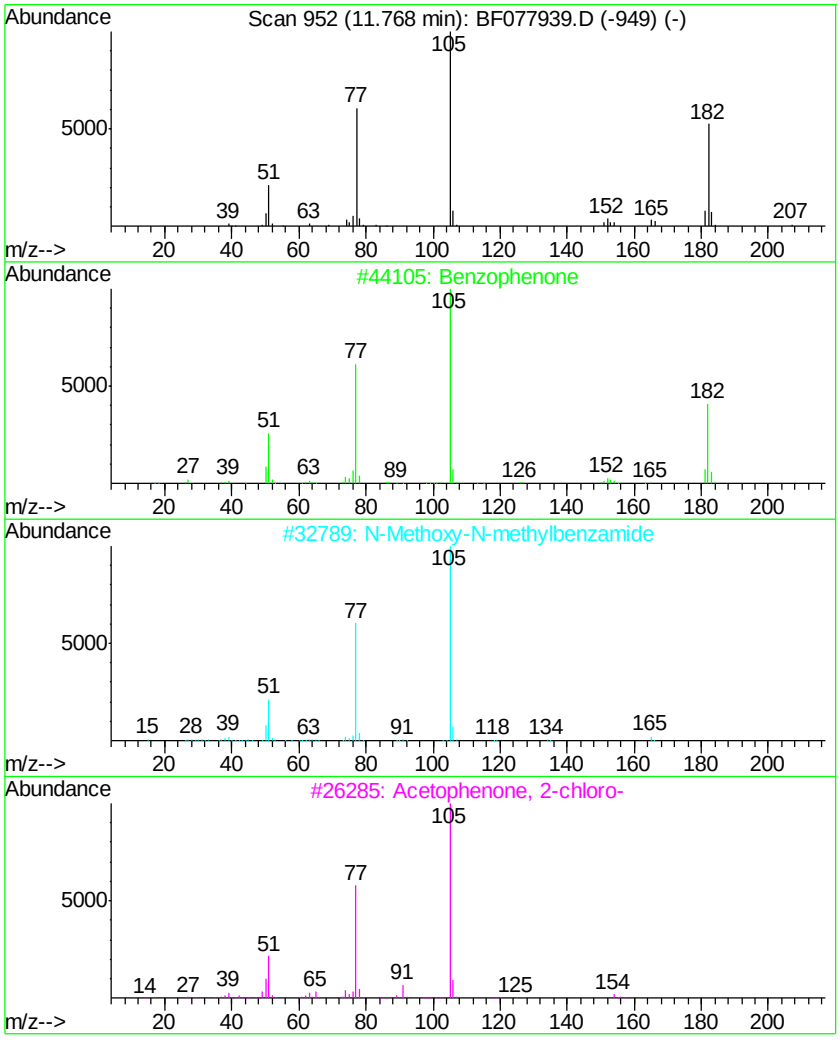
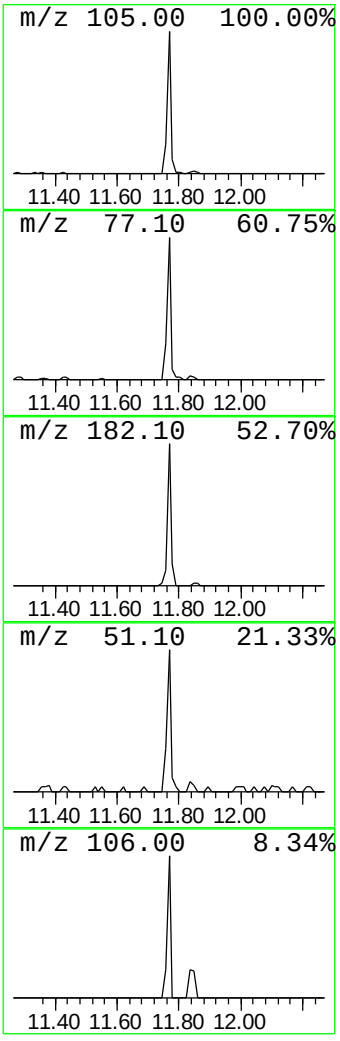
Peak Number 12 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.33 ng	105333	Acenaphthene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5	2-Pyrazoline-5-carbonitrile, 2-b...	199	C11H9N3O	067872-68-8	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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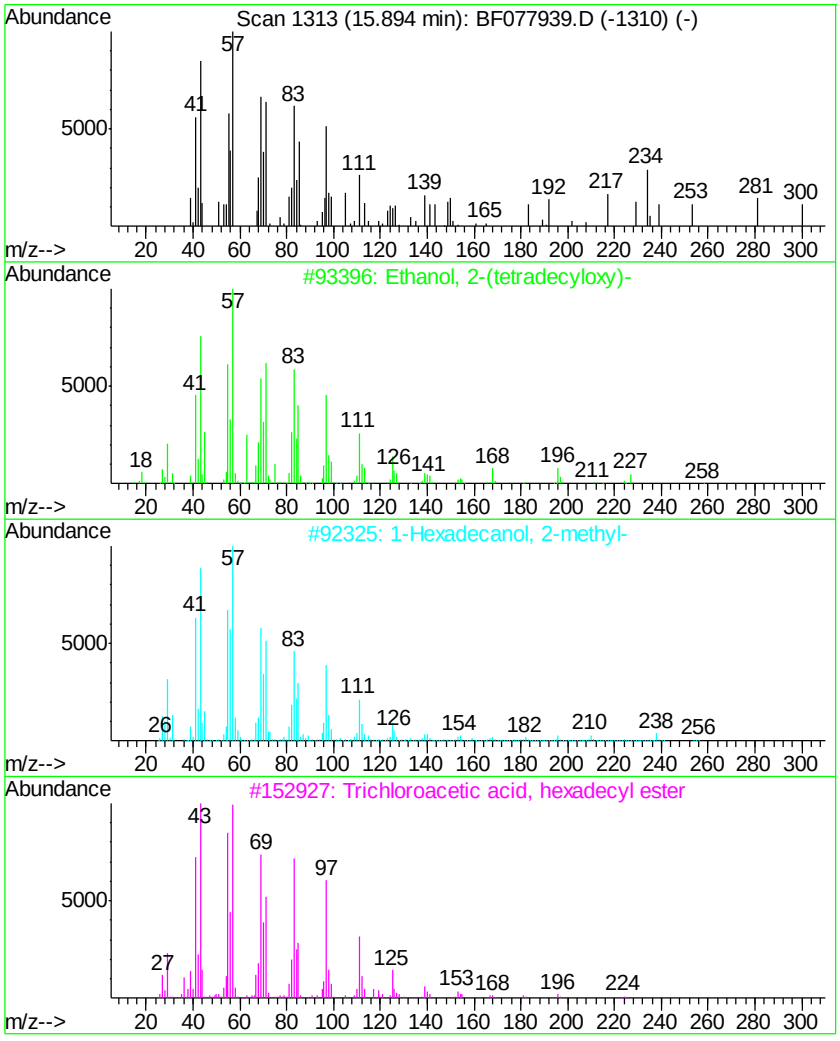
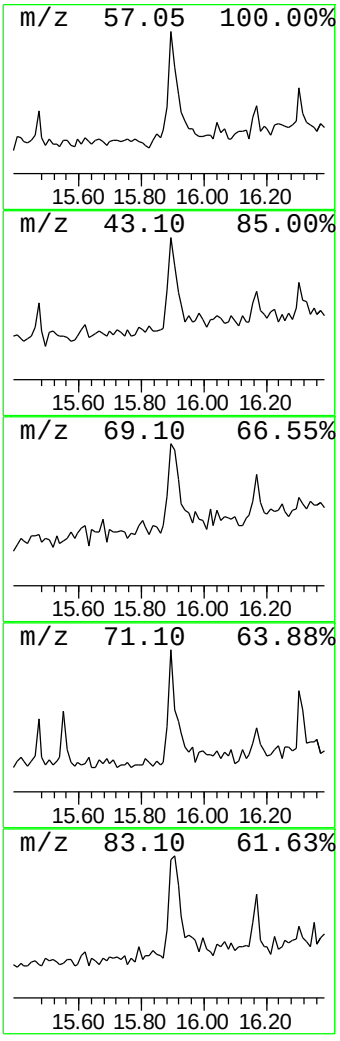
Peak Number 13 Ethanol, 2-(tetradecyloxy)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.07 ng	72813	Chrysene-d12	16.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	74
2	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	72
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	60
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	60
5	1-Heptadecene	238	C17H34	006765-39-5	60





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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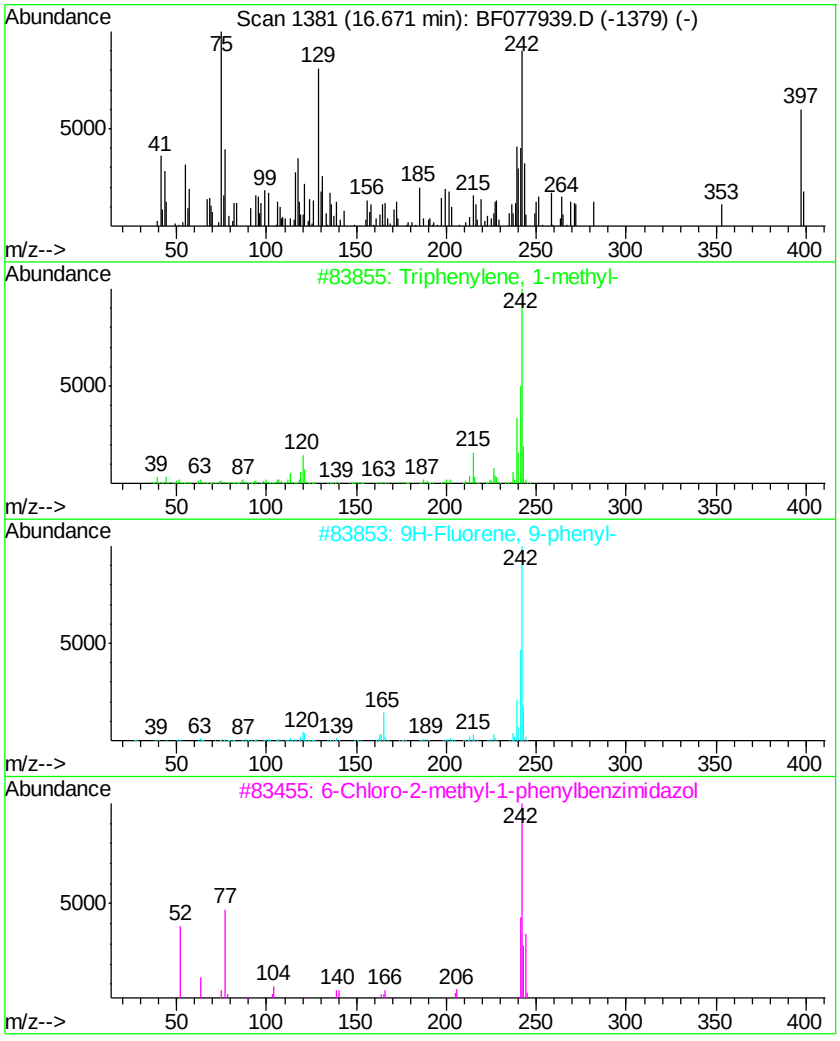
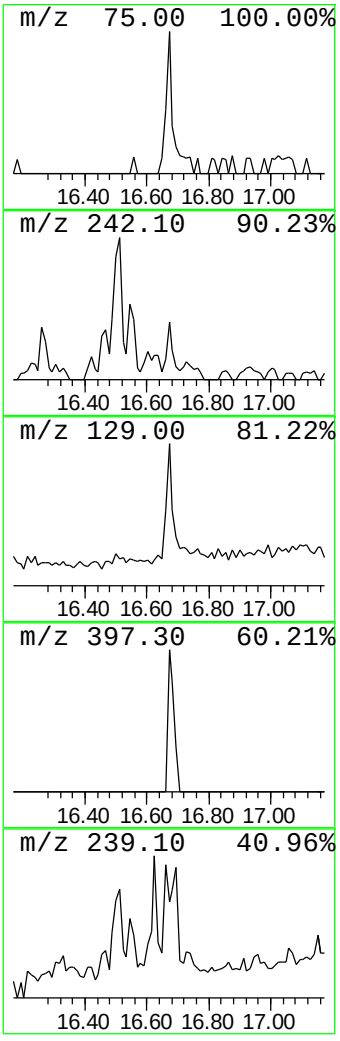
Peak Number 14 unknown16.67 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.06 ng	72237	Chrysene-d12	16.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 1-methyl-	242	C19H14	002871-91-2	18
2	9H-Fluorene, 9-phenyl-	242	C19H14	000789-24-2	18
3	6-Chloro-2-methyl-1-phenylbenzim...	242	C14H11ClN2	051011-13-3	18
4	1,2,4-Triazolo[1,5-a]quinazoline...	242	C10H9F3N4	1000264-95-5	18
5	5-Phenyl-piperonylic acid	242	C14H10O4	173788-54-0	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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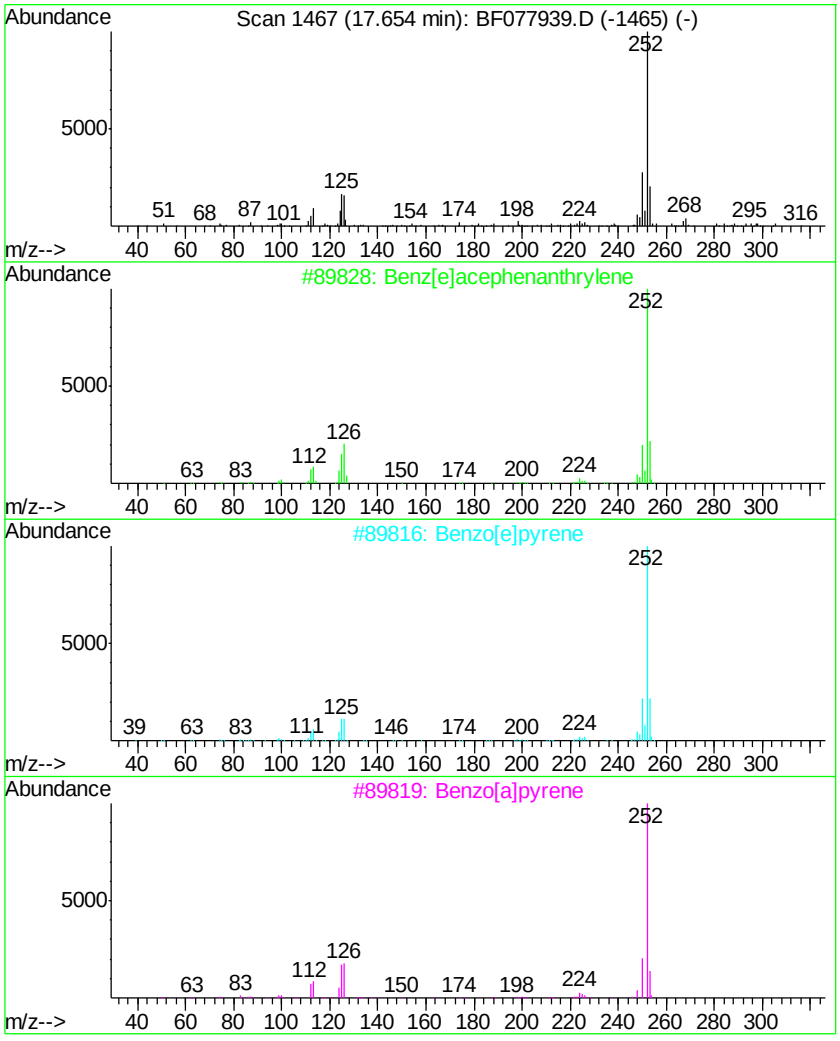
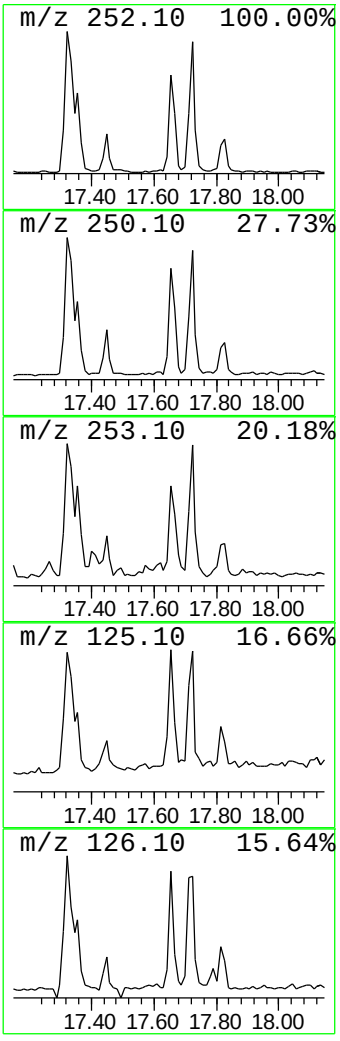
Peak Number 15 Benz[e]acephenanthrylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	3.80 ng	106357	Perylene-d12	17.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	74





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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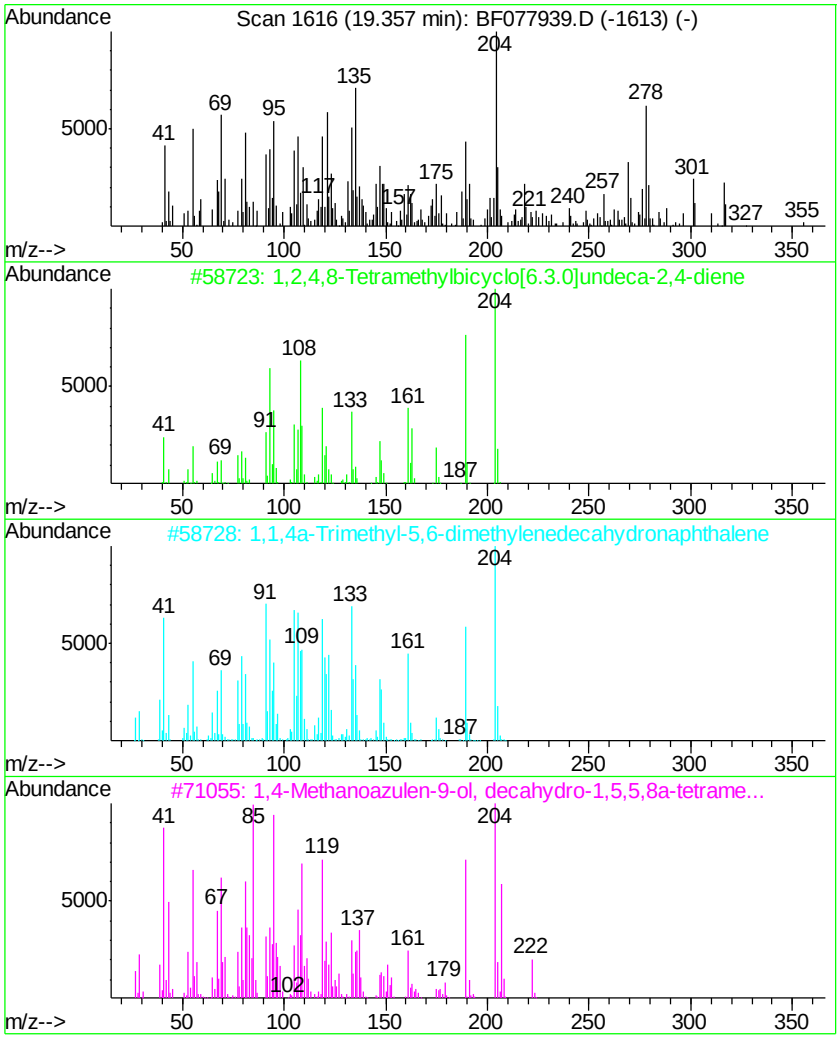
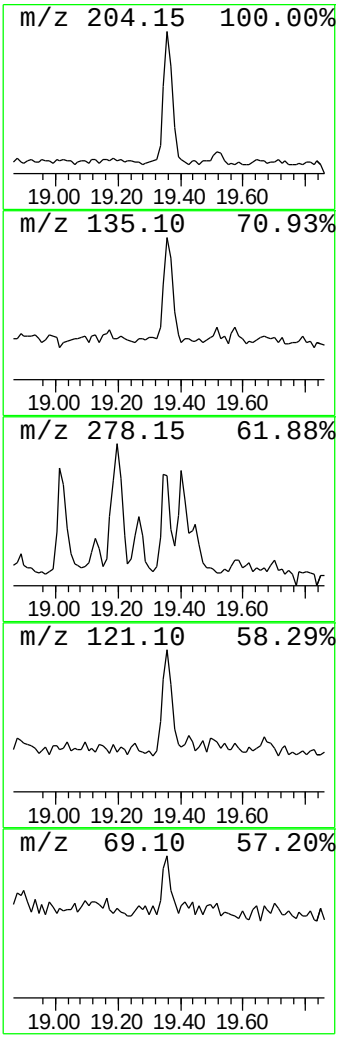
Peak Number 16 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	7.12 ng	199153	Perylene-d12	17.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
2	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	49
3	1,4-Methanoazulen-9-ol, decahydr...	222	C15H26O	000465-24-7	47
4	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	47
5	1H-3a,7-Methanoazulene, 2,3,6,7,...	204	C15H24	000560-32-7	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077939.D
Acq On : 25 Mar 2015 6:29
Operator : TP/IZ
Sample : G1615-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-17-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.26	1.26	204.9	ng	2626390	1	7.12	256385	20.0
Butane, 2-methoxy...	1.55	5.6	ng	71272	1	7.12	256385	20.0
2-Pentanone, 4-hy...	4.86	7.3	ng	93868	1	7.12	256385	20.0
unknown6.83	6.83	67.1	ng	860556	1	7.12	256385	20.0
unknown10.50	10.50	3.1	ng	74948	3	10.86	486060	20.0
unknown10.75	10.75	3.6	ng	86637	3	10.86	486060	20.0
Benzophenone	11.77	4.3	ng	105333	3	10.86	486060	20.0
Ethanol, 2-(tetra...	15.89	2.1	ng	72813	5	16.00	702219	20.0
unknown16.67	16.67	2.1	ng	72237	5	16.00	702219	20.0
Benz[e]acephenant...	17.65	3.8	ng	106357	6	17.79	559760	20.0
1,2,4,8-Tetrameth...	19.36	7.1	ng	199153	6	17.79	559760	20.0